

006F50" 5765/560

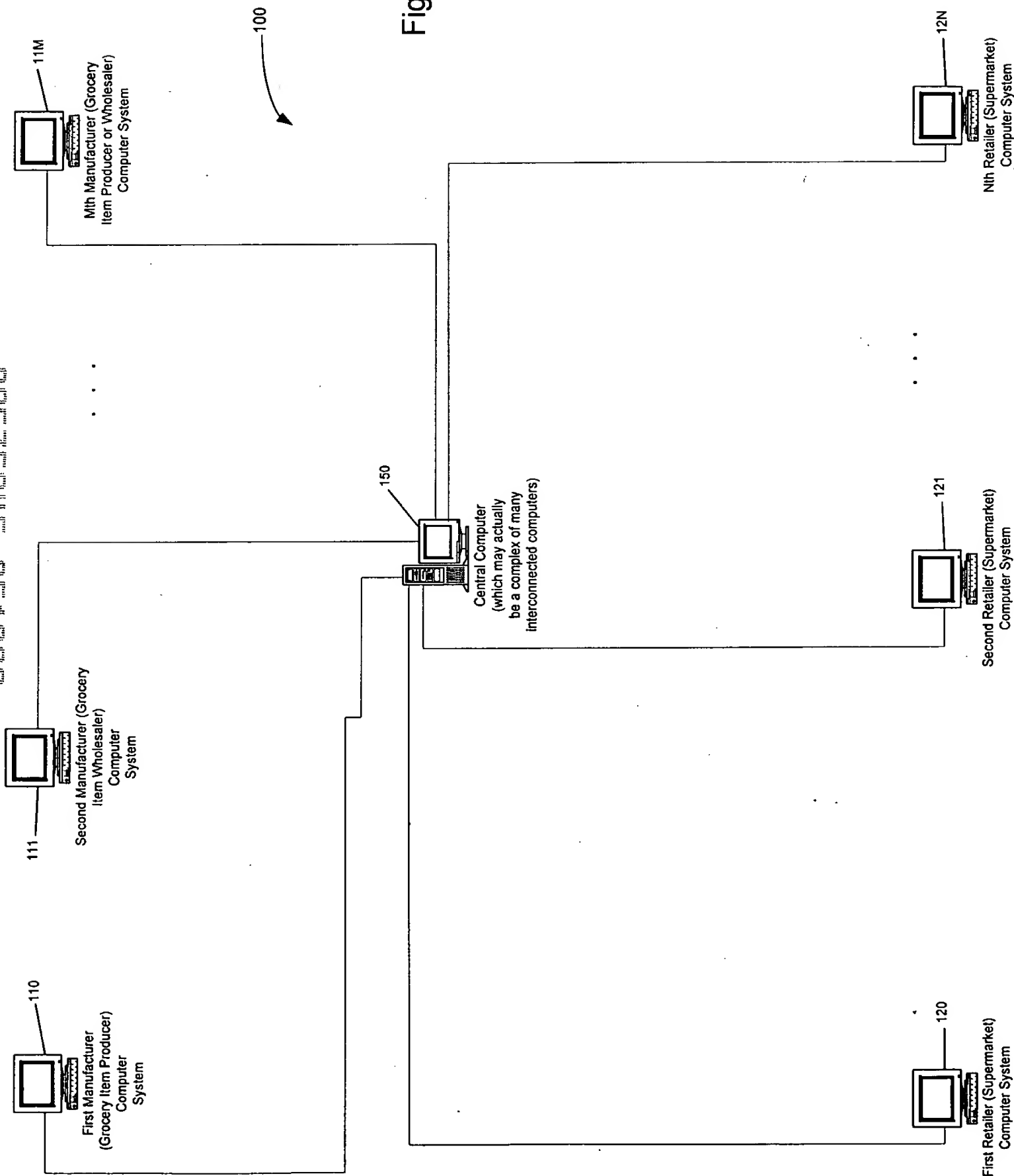
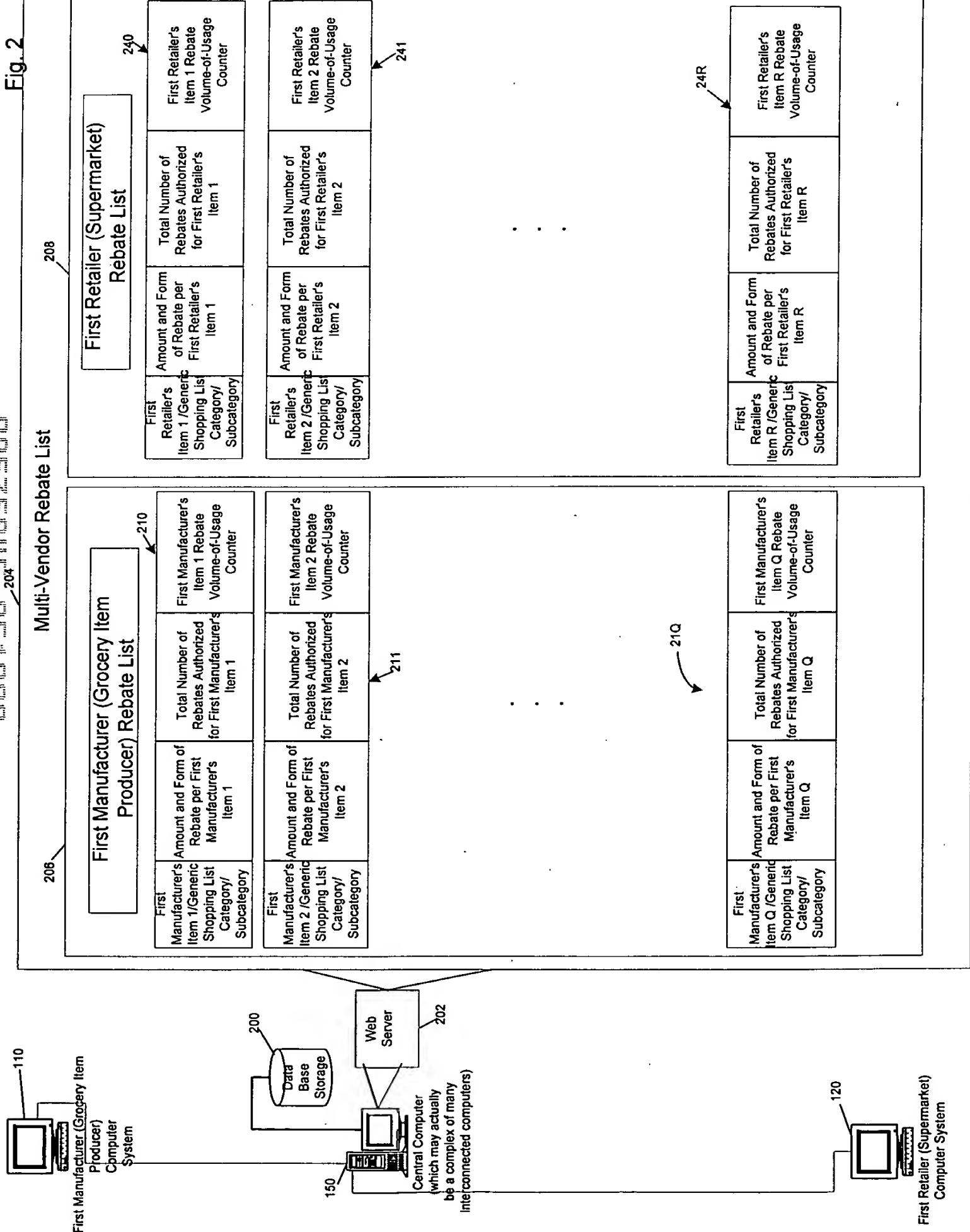
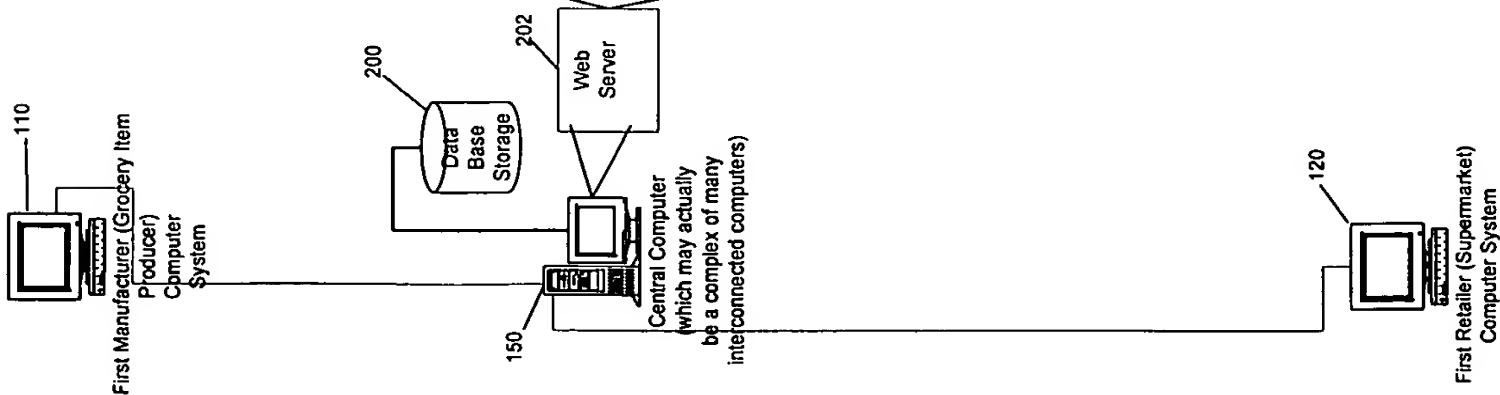


Fig. 1





Multi-Vendor Rebate List

206

First Manufacturer (Grocery Item Producer) Coupon List

First Manufacturer's Mouthwash/ Generic Shopping List Category Toiletries/ Subcategory Mouthwash	65 cents coupon per bottle of First Manufacturer's mouthwash	Total number of coupons authorized for First Manufacturer's mouthwash = 25 million	Volume-of-Usage Counter for First Manufacturer's Mouthwash = 2 million coupons redeemed
First Manufacturer's Soap/Generic Shopping List Category Toiletries/ Subcategory Soap	75 cents coupon per bar of First Manufacturer's soap	Total number of coupons authorized for First Manufacturer's soap = 5 million	Volume-of-Usage Counter for First Manufacturer's Soap = 2 million coupons redeemed
First Manufacturer's Perfume/Generic Shopping List Category Toiletries/ Subcategory Fragrances	85 cents coupon per bottle of First Manufacturer's perfume	Total number of coupons authorized for First Manufacturer's perfume = 1 million	Volume-of-Usage Counter for First Manufacturer's perfume = 2 hundred coupons redeemed

First Retailer (Supermarket) In-Store-Special List

First Retailer's Lettuce/Generic Shopping List Category Produce/ Subcategory Lettuce	25 cents discount per purchase of head of lettuce	Limit discount to 5 purchases of heads of lettuce per customer	First Retailer's Volume-of-Usage Counter for lettuce discount = 25 purchases have utilized discount
First Retailer's Vitamins/Generic Shopping List Category Supplements/ Subcategory Vitamins	35 cent discount per purchase of bottle of vitamins	Limit discount to 2 purchases of vitamins per customer	First Retailer's Volume-of-Usage Counter for vitamin discount = 900 purchases have utilized discount
First Retailer's Steak/Generic Shopping List Category Meat/ Subcategory Steak	45 cent discount per purchase of pound of steak	Limit discount to 5 pounds of steak per customer	First Retailer's Volume-of-Usage Counter for steak discount = 140 purchases have utilized discount

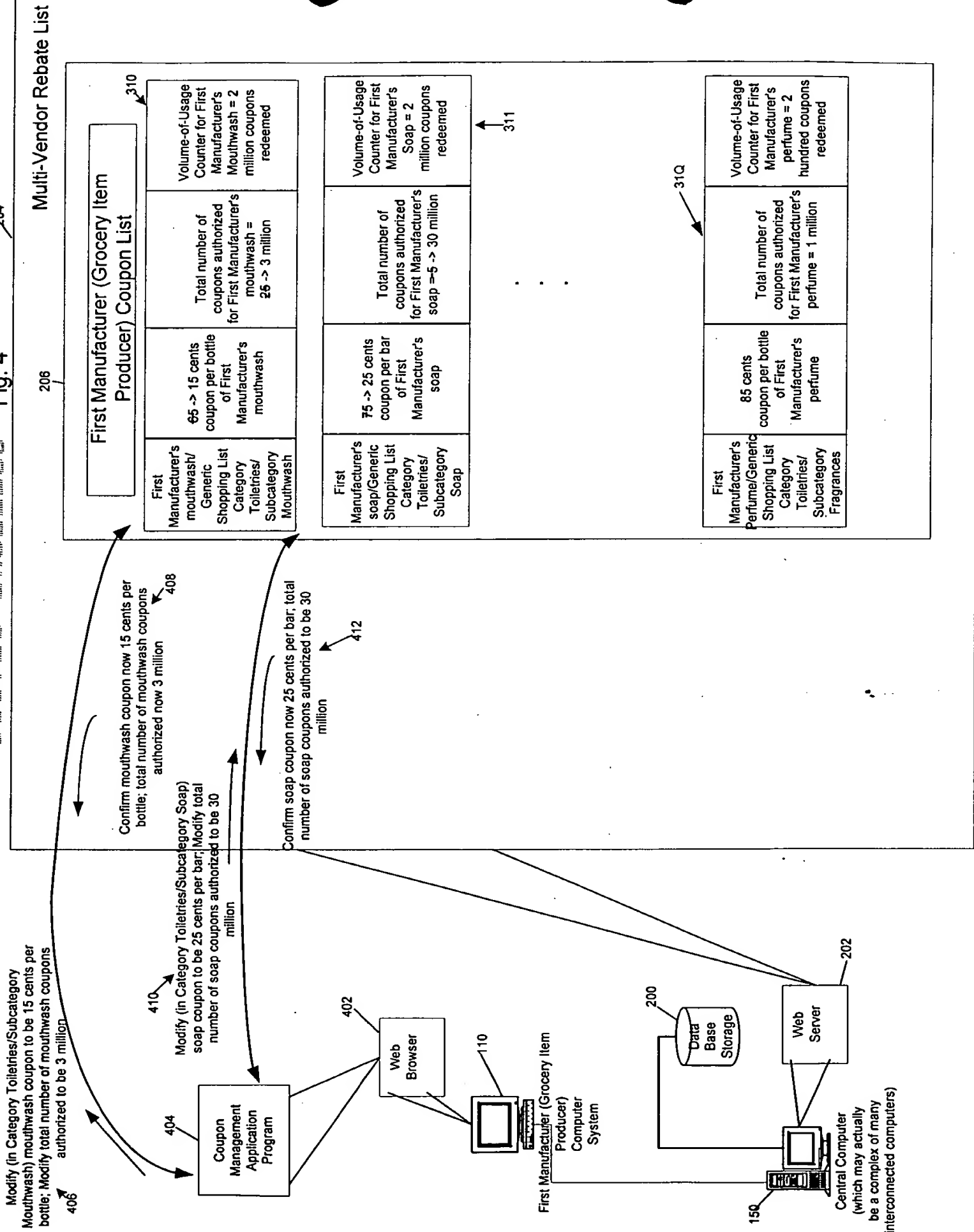
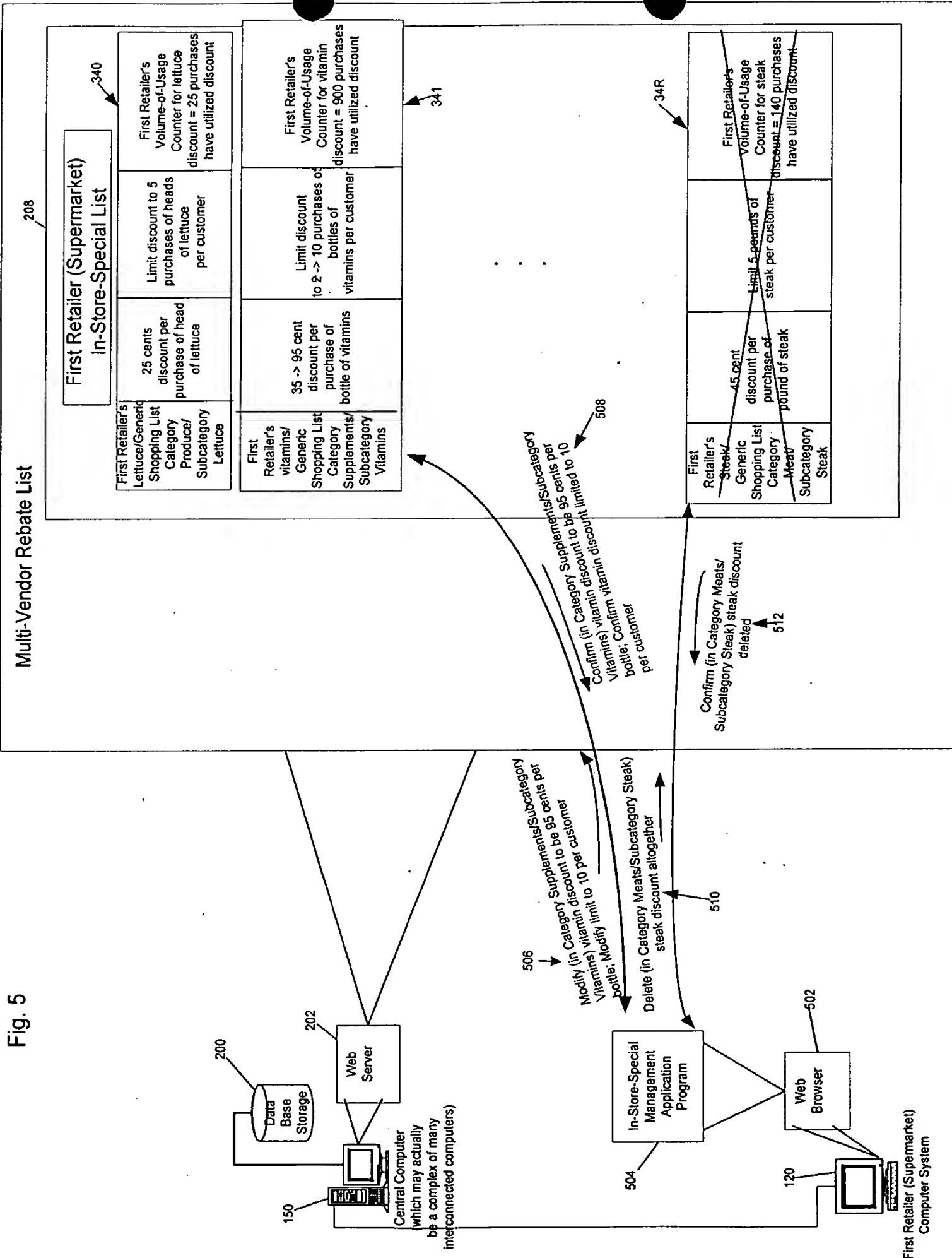
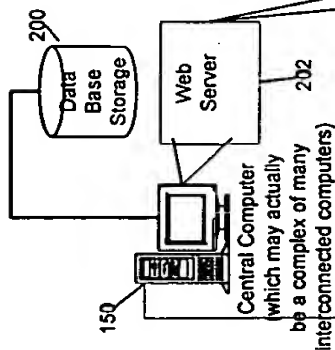


Fig. 5





Multi-Vendor Rebate List

208

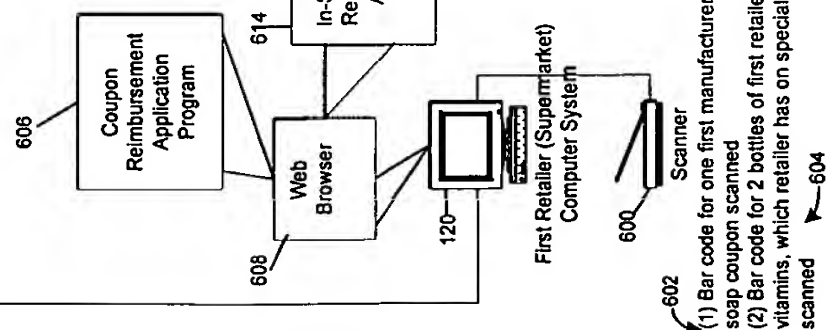
First Manufacturer (Grocery Item Producer) Coupon List				First Retailer (Supermarket) In-Store-Special List			
First Manufacturer's Mouthwash/ Generic Shopping List Category Toiletries/ Subcategory Mouthwash	15 cents coupon per bottle of First Manufacturer's mouthwash	Total number of coupons authorized for First Manufacturer's mouthwash = 3 million	Volume-of-Usage Counter for First Manufacturer's Mouthwash = 2 million coupons redeemed	First Retailer's Lettuce/ Generic Shopping List Category Produce/ Subcategory Lettuce	25 cents discount per purchase of head of lettuce	Limit discount to 5 purchases of heads of lettuce per customer	First Retailer's Volume-of-Usage Counter for lettuce discount = 25 purchases have utilized discount
First Manufacturer's Soap/ Generic Shopping List Category Toiletries/ Subcategory Soap	25 cents coupon per bar of First Manufacturer's soap	Total number of coupons authorized for First Manufacturer's soap = 30 million	Volume-of-Usage Counter for First Manufacturer's Soap = 2 million + one coupons redeemed	First Retailer's Vitamins/ Generic Shopping List Category Supplements/ Subcategory Vitamins	95 cent discount per purchase of bottle of vitamins	Limit discount to 10 purchases of bottles of vitamins per customer	First Retailer's Volume-of-Usage Counter for vitamin discount = 900 bottles + two have been discounted

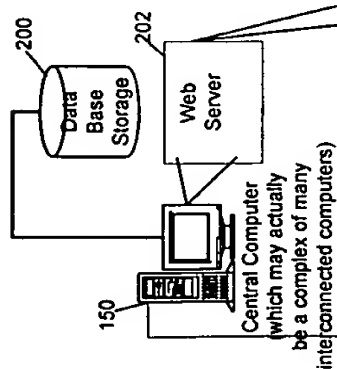
610 → Bar code for single first manufacturer's soap coupon scanned

612 → Confirms volume of usage incremented by one soap coupon

618 → Confirms volume of usage incremented by discounts on two bottles of vitamins

616 → Bar code for 2 bottles of first retailer's vitamins, which retailer has on special, scanned





Multi-Vendor Rebate List

First Manufacturer (Grocery Item Producer) Coupon List

First Manufacturer's Mouthwash/Generic Shopping List Category Toiletries/Subcategory Mouthwash	15 cents coupon per bottle of First Manufacturer's mouthwash	Total number of coupons authorized for First Manufacturer's mouthwash = 3 million	Volume-of-Usage Counter for First Manufacturer's Mouthwash = 2 million coupons redeemed
First Manufacturer's Soap/Generic Shopping List Category Toiletries/Subcategory Soap	25 cents coupon per bar of First Manufacturer's soap	Total number of coupons authorized for First Manufacturer's soap = 30 million	Volume-of-Usage Counter for First Manufacturer's Soap = 2 million + one coupons redeemed

312 Bar code for single first manufacturer's soap coupon scanned

610

Bar code for the single first manufacturer's soap coupon is currently worth 25 cents; transaction on 21 May 2000 has been logged

700

606 Coupon Reimbursement Application Program

608

Web Browser

120

First Retailer (Supermarket) Computer System

600

Scanner

602

(1) Bar code for one manufacturer's soap coupon scanned
(2) Bar code for 2 bottles of Vitamins, which retailer has on special, scanned

604

First Manufacturer (Grocery Item Producer) Retailer-Specific Coupon Usage List

First Retailer Coupon Redemption Log

Type of Coupon	Time and Date of Redemption	Value of Coupon at Time of Redemption
Peanut Butter	0830 hours on 21 May 2000	\$00.25
Razor Blades	1045 hours on 21 May 2000	\$00.85
Soap	1440 hours on 21 May 2000	\$00.25

Second Retailer Coupon Redemption Log

Type of Coupon	Time and Date of Redemption	Value of Coupon at Time of Redemption
Diapers	1230 hours on 21 May 2000	\$02.25
Formula	1345 hours on 21 May 2000	\$04.85
Aspirin	1740 hours on 21 May 2000	\$00.65

Nth Retailer Coupon Redemption Log

Type of Coupon	Time and Date of Redemption	Value of Coupon at Time of Redemption
Beer	2130 hours on 21 May 2000	\$02.25
Chips	2131 hours on 21 May 2000	\$01.35
Salisa	2131 hours on 21 May 2000	\$00.25

Mth Manufacturer Retailer-Specific Coupon Usage List

First Retailer Coupon Redemption Log

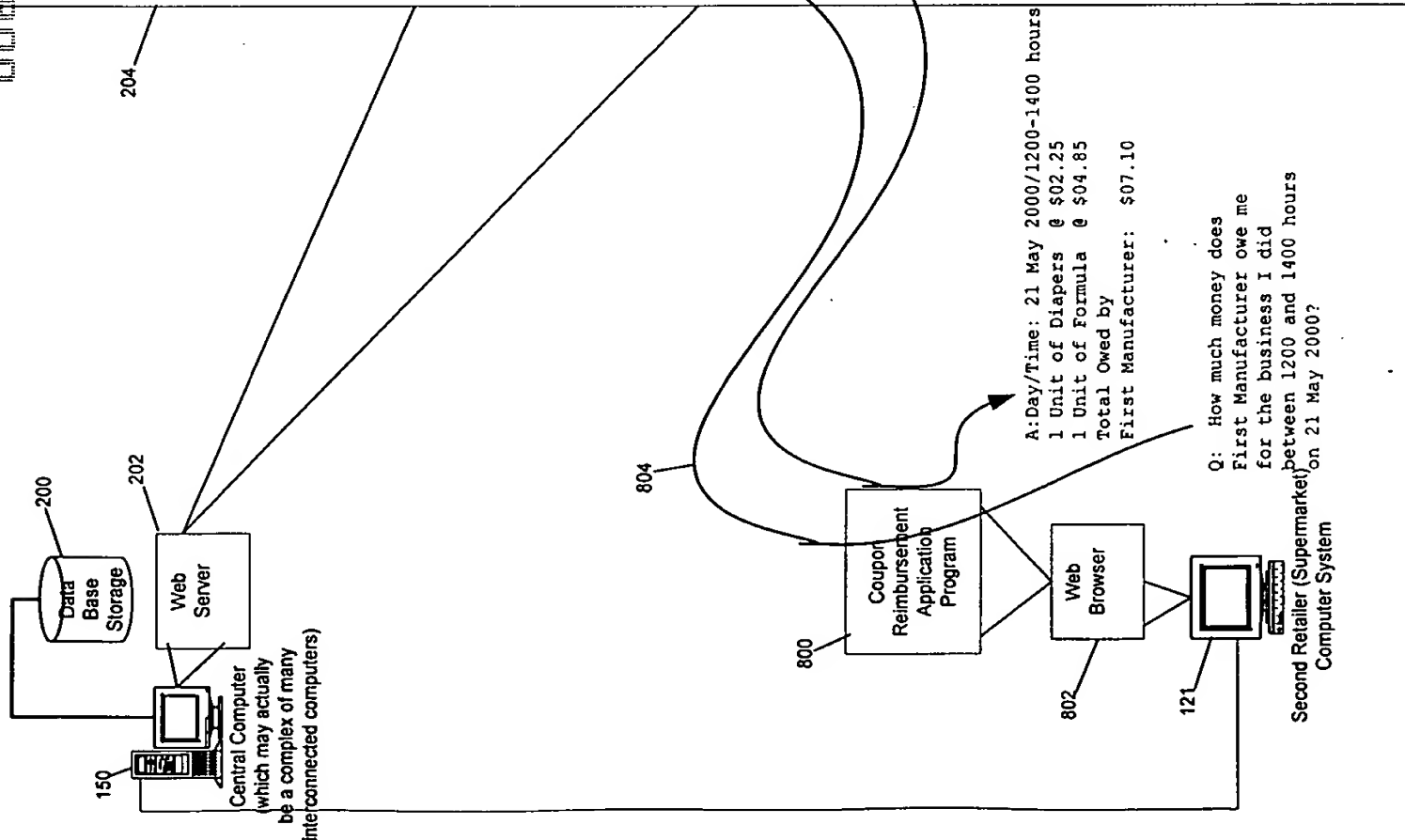
Type of Coupon	Time and Date of Redemption	Value of Coupon at Time of Redemption
Butter	0838 hours on 21 May 2000	\$00.35
Syrup	1145 hours on 21 May 2000	\$01.85
Soap	1444 hours on 21 May 2000	\$00.65

Nth Retailer Coupon Redemption Log

Type of Coupon	Time and Date of Redemption	Value of Coupon at Time of Redemption
Wine	2330 hours on 21 May 2000	\$02.25
Coffee	2333 hours on 21 May 2000	\$03.35
Salisa	2131 hours on 21 May 2000	\$00.25

Fig. 7

Multi-Vendor Rebate List



First Manufacturer (Grocery Item Producer) Retailer-Specific Coupon Usage List

First Retailer Coupon Redemption Log

Type of Coupon	Time and Date of Redemption	Value of Coupon at Time of Redemption
Peanut Butter	0830 hours on 21 May 2000	\$00.25
Razor Blades	1045 hours on 21 May 2000	\$00.85
Soap	1440 hours on 21 May 2000	\$00.25

Second Retailer Coupon Redemption Log

Type of Coupon	Time and Date of Redemption	Value of Coupon at Time of Redemption
Diapers	1230 hours on 21 May 2000	\$02.25
Formula	1345 hours on 21 May 2000	\$04.85
Aspirin	1740 hours on 21 May 2000	\$00.65

Nth Retailer Coupon Redemption Log

Type of Coupon	Time and Date of Redemption	Value of Coupon at Time of Redemption
Beer	2130 hours on 21 May 2000	\$02.25
Chips	2131 hours on 21 May 2000	\$01.35
Salsa	2131 hours on 21 May 2000	\$00.25

Mth Manufacturer Retailer-Specific Coupon Usage List

First Retailer Coupon Redemption Log

Type of Coupon	Time and Date of Redemption	Value of Coupon at Time of Redemption
Butter	0838 hours on 21 May 2000	\$00.35
Syrup	1145 hours on 21 May 2000	\$01.85
Soap	1444 hours on 21 May 2000	\$00.65

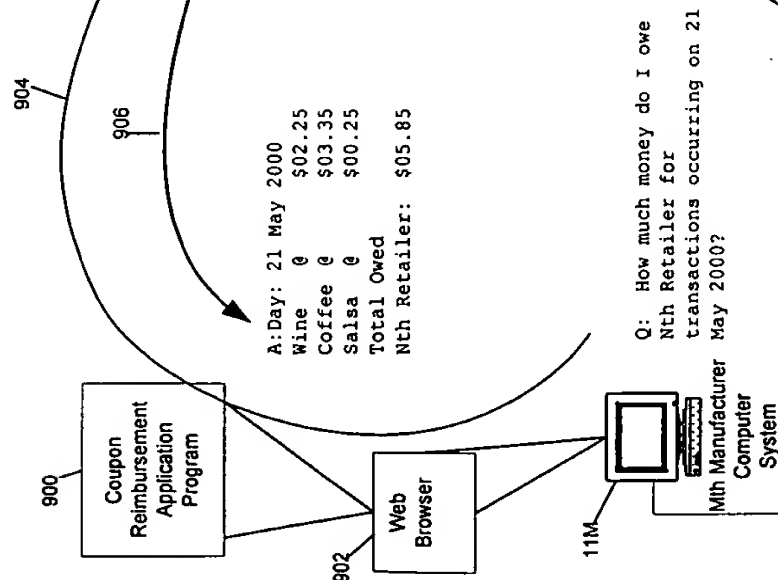
Nth Retailer Coupon Redemption Log

Type of Coupon	Time and Date of Redemption	Value of Coupon at Time of Redemption
Wine	2330 hours on 21 May 2000	\$02.25
Coffee	2333 hours on 21 May 2000	\$03.35
Salsa	2131 hours on 21 May 2000	\$00.25

Fig. 8

Fig. 9 "Old" System

Multi-Vendor Rebate List



A: Day: 21 May 2000
 Wine @ \$02.25
 Coffee @ \$03.35
 Salsa @ \$00.25
 Total Owed
 Nth Retailer: \$05.85

Q: How much money do I owe
 Nth Retailer for
 transactions occurring on 21
 May 2000?

First Manufacturer (Grocery Item Producer) Retailer-Specific Coupon Usage List			
First Retailer Coupon Redemption Log			
Type of Coupon	Time and Date of Redemption	Value of Coupon at Time of Redemption	
Peanut Butter	0830 hours on 21 May 2000	\$00.25	
Razor Blades	1045 hours on 21 May 2000	\$00.85	
Soap	1440 hours on 21 May 2000	\$00.25	
Second Retailer Coupon Redemption Log			
Type of Coupon	Time and Date of Redemption	Value of Coupon at Time of Redemption	
Diapers	1230 hours on 21 May 2000	\$02.25	
Formula	1345 hours on 21 May 2000	\$04.85	
Aspirin	1740 hours on 21 May 2000	\$00.65	
	.		
	.		
	.		
Nth Retailer Coupon Redemption Log			
Type of Coupon	Time and Date of Redemption	Value of Coupon at Time of Redemption	
Beer	2130 hours on 21 May 2000	\$02.25	
Chips	2131 hours on 21 May 2000	\$01.35	
Salsa	2131 hours on 21 May 2000	\$00.25	

Mth Manufacturer Retailer-Specific Coupon Usage List			
First Retailer Coupon Redemption Log			
Type of Coupon	Time and Date of Redemption	Value of Coupon at Time of Redemption	
Butter	0838 hours on 21 May 2000	\$00.35	
Syrup	1145 hours on 21 May 2000	\$01.85	
Soap	1444 hours on 21 May 2000	\$00.65	
Nth Retailer Coupon Redemption Log			
Type of Coupon	Time and Date of Redemption	Value of Coupon at Time of Redemption	
Wine	2330 hours on 21 May 2000	\$02.25	
Coffee	2333 hours on 21 May 2000	\$03.35	
Salsa	2131 hours on 21 May 2000	\$00.25	

710

710

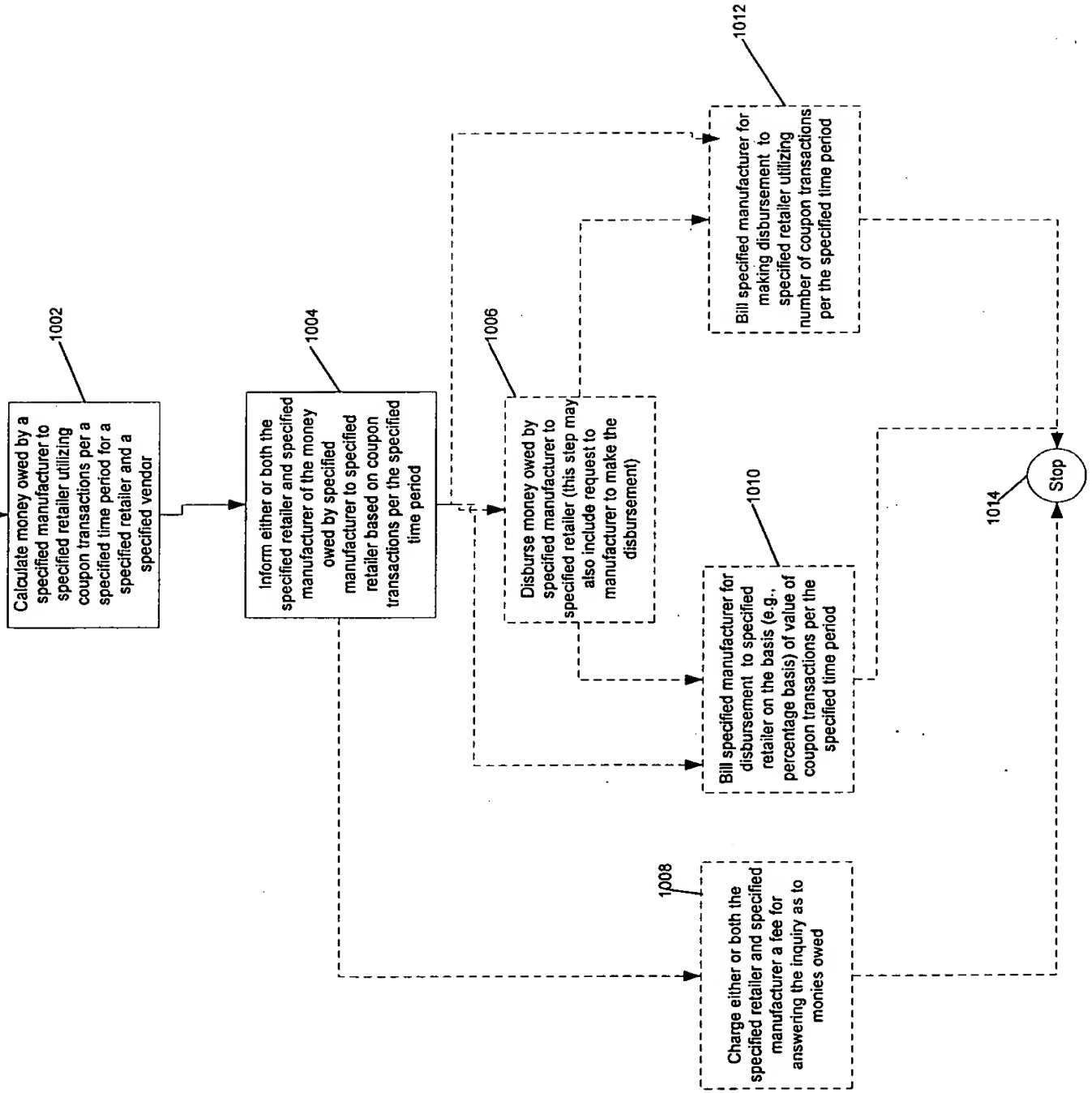
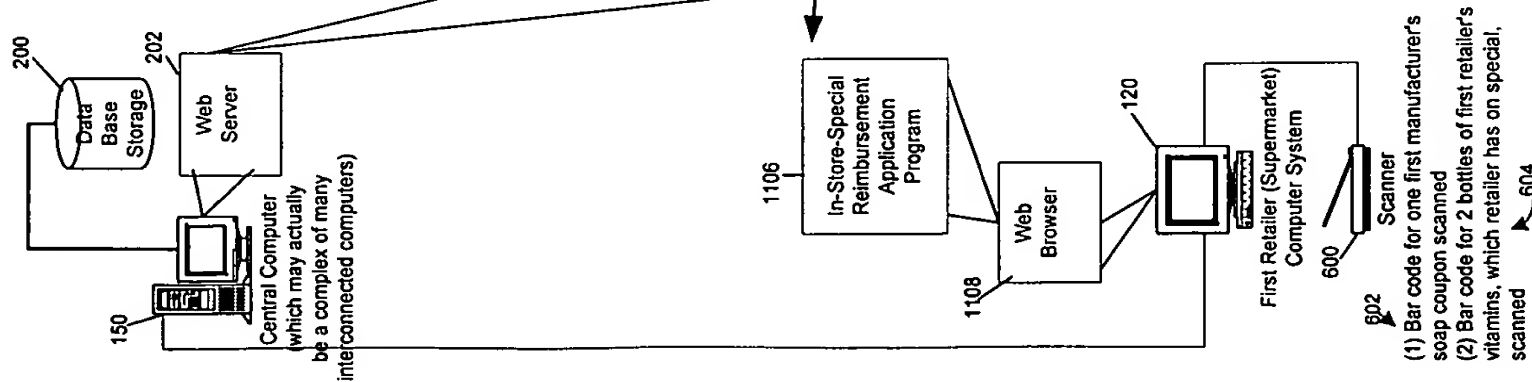


Fig. 10



Multi-Vendor Rebate List

First Retailer (Supermarket) In-Store-Special List

First Retailer's Lettuce/Generic Shopping List Category Produce/ Subcategory Lettuce	25 cents discount per purchase of head of lettuce	Limit discount to 5 purchases of heads of lettuce per customer	First Retailer's Volume-of-Usage Counter for lettuce discount = 25 purchases have utilized discount
--	---	--	---

First Retailer's Vitamins/Generic Shopping List Category Supplements/ Subcategory Vitamins	95 cent discount per purchase of bottle of vitamins	Limit discount to 10 purchases of bottles of vitamins per customer	First Retailer's Volume-of-Usage Counter for vitamin discount = 900 bottles + two have been discounted
--	---	--	--

Bar code for 2 bottles of first retailer's vitamins, which retailer has on special, scanned

Bar code for the 2 bottles of first retailer's vitamins scanned currently worth 95 cents per bottle for total of \$1.90, transactions on 21 May 2000 has been logged

Multi-Retailer (Supermarket) In-Store-Special Usage List

First Retailer In-Store-Special Utilization Log

Type of Discount	Time and Date of Purchase	Value of Discount at Time of Purchase
Jelly	0830 hours on 21 May 2000	\$00.45
Wine	1045 hours on 21 May 2000	\$00.35
Vitamins	1440 hours on 21 May 2000	\$00.95
Vitamins	1440 hours on 21 May 2000	\$00.95

Second Retailer In-Store-Special Utilization Log

Type of Discount	Time and Date of Purchase	Value of Discount at Time of Purchase
Diapers	1230 hours on 21 May 2000	\$02.25
Formula	1345 hours on 21 May 2000	\$04.85
Aspirin	1740 hours on 21 May 2000	\$00.65

Nth Retailer In-Store-Special Utilization Log

Type of Discount	Time and Date of Purchase	Value of Discount at Time of Purchase
Beer	2130 hours on 21 May 2000	\$02.25
Chips	2131 hours on 21 May 2000	\$01.35
Pet food	2131 hours on 21 May 2000	\$06.25

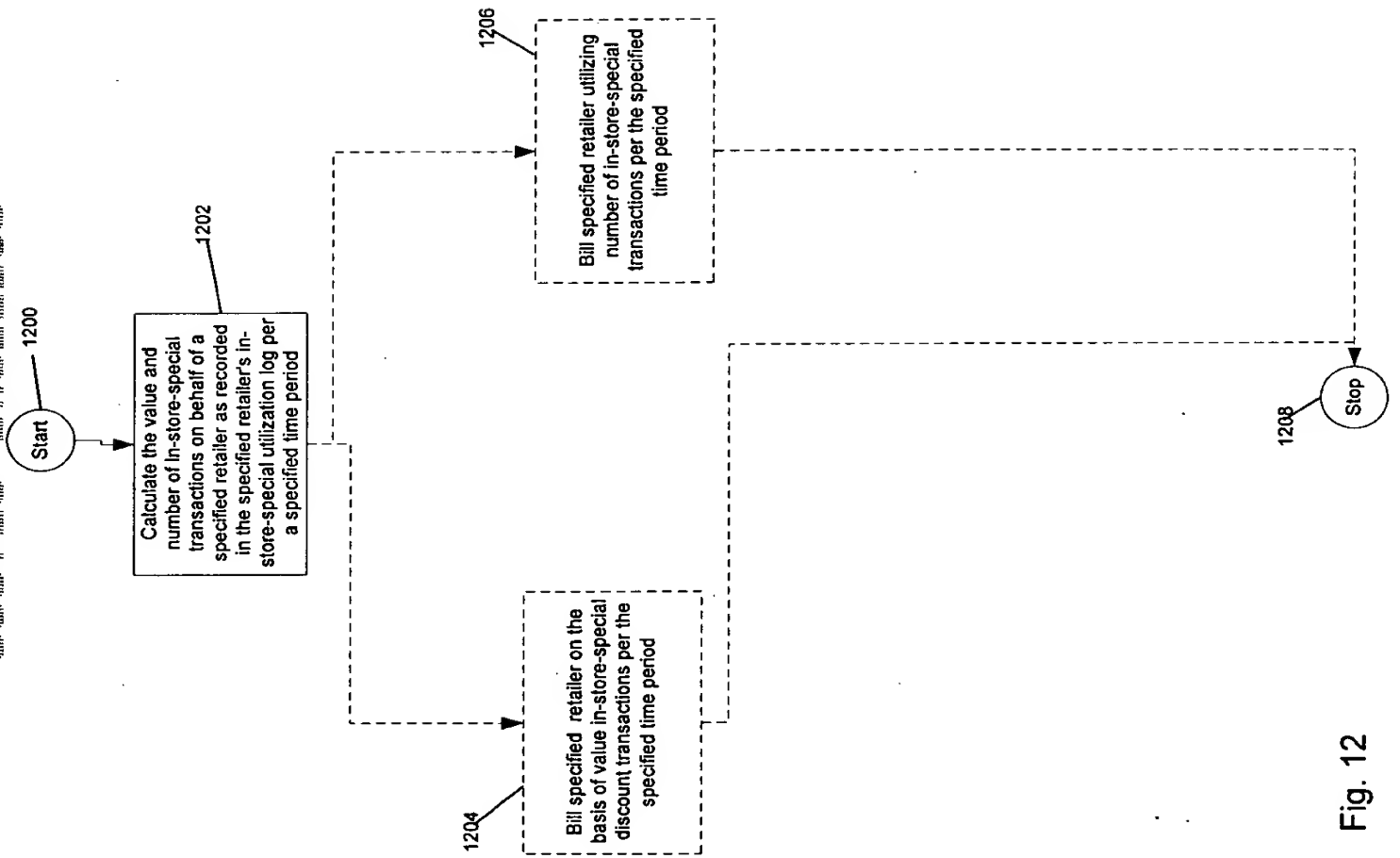


Fig. 12

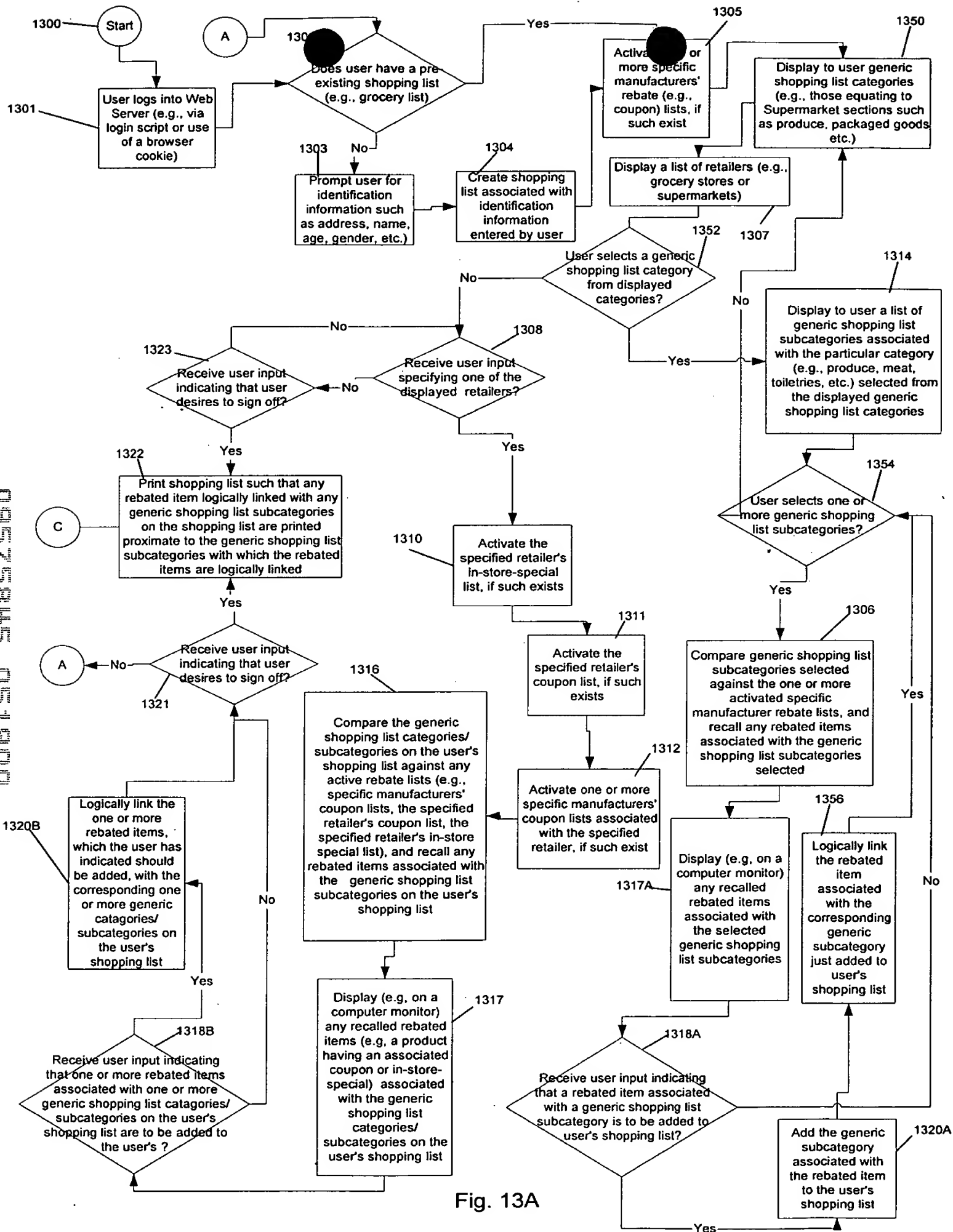


Fig. 13A

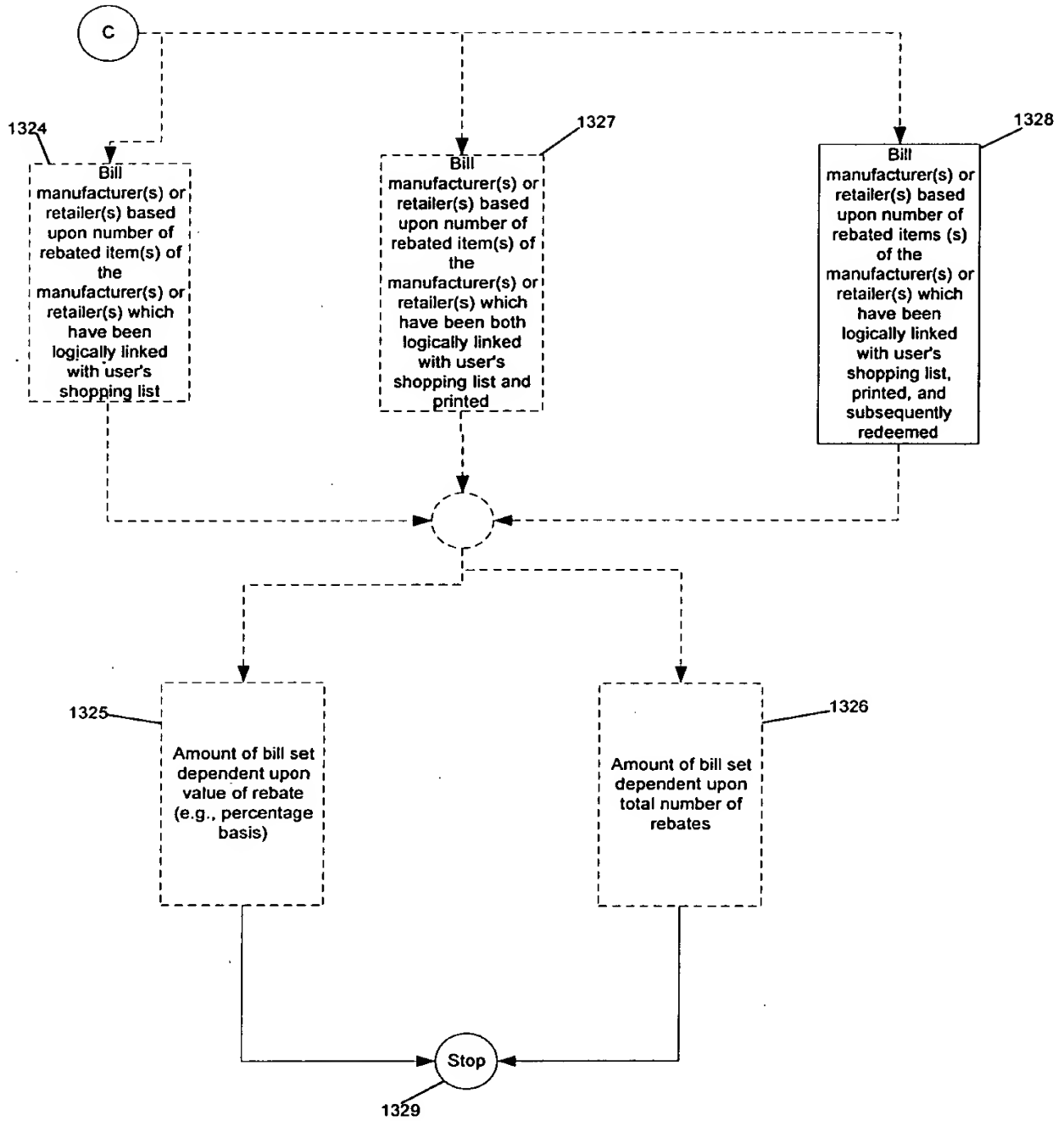
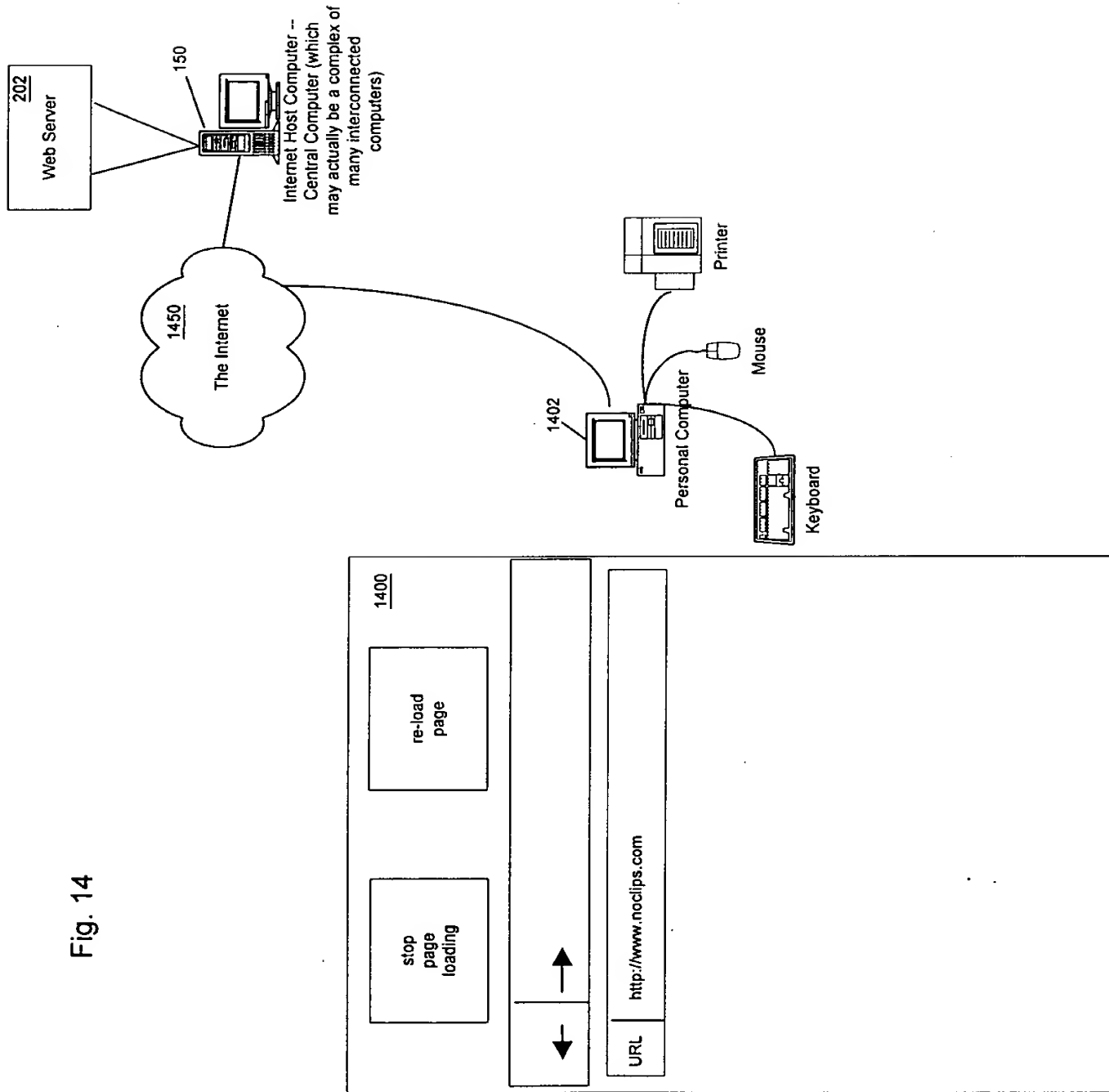


Fig. 13B







Fig. 14



006750" SH85/560

Fig. 18 1502

1500

Albertson	HEB	Randels	Kroger	Safeway	Walmart
					
Master List	1500	1500	1500	1500	1500
EDIT	1500	1500	1500	1500	1500
PRINT	1500	1500	1500	1500	1500
Click on Store to Show	1512	1512	1512	1512	1512
Store Special	1512	1512	1512	1512	1512
MANUFACTURE COUPONS	1514	1514	1514	1514	1514
Other/Misc.	1515	1515	1515	1515	1515
Movies	1516	1516	1516	1516	1516
EXIT	1518	1518	1518	1518	1518

Special HEB Special

Next

Back

Home

Add To

Grocery List

Save on grocery list

Fuel Price

Movies

1602

1604

1606

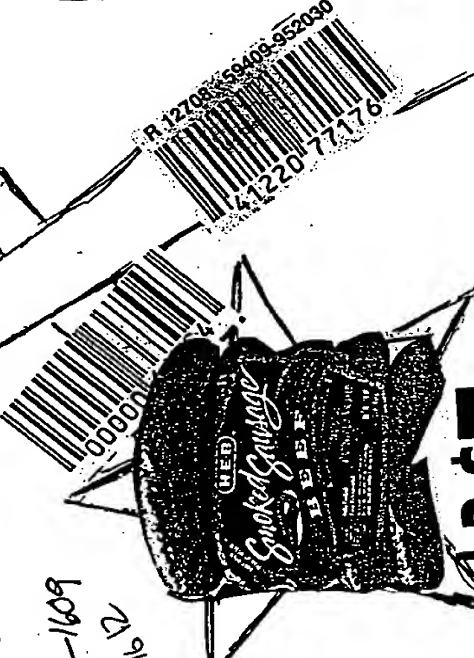
1608

1609

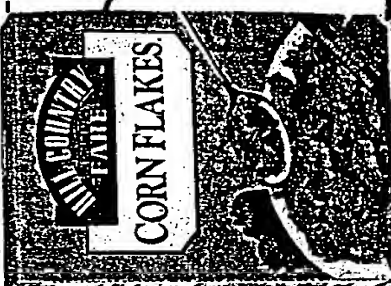
1610

Save \$1.00

On HEB Convenience Pack Diapers



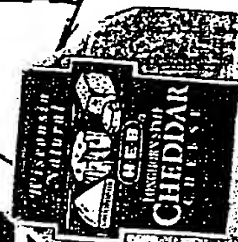
2 \$5
For



3 99¢
For



HEB



2 \$3
For

HEB Half Moon Cheese
8 Oz. Pkg.
Cheddar Or Colby

EXTRA LARGE!



59¢
Lb.

Washington


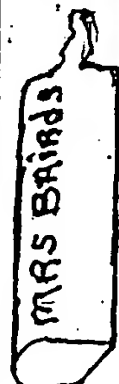



006T50" 54852560

1800

2.

Fig 18


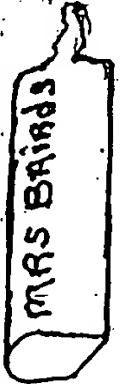
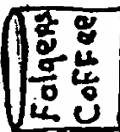


1502

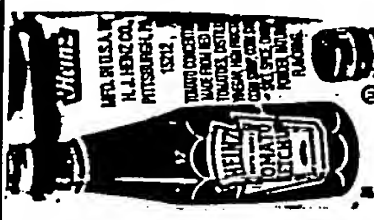
ALBERTSON		HEB		RANDALL'S		KROGER		SAFEWAY		WALMART	
											
Produce		Meat/Seafood		Grocery							
Dairy		Cheese		Bakery							
Household		Body Care		Supplements							
Click on store to show store special		1512		Be able to construct list to suit patron's shipping pattern of store		1802					
New Product		1816									
Manufacturer		1514									


006T50" 54854560

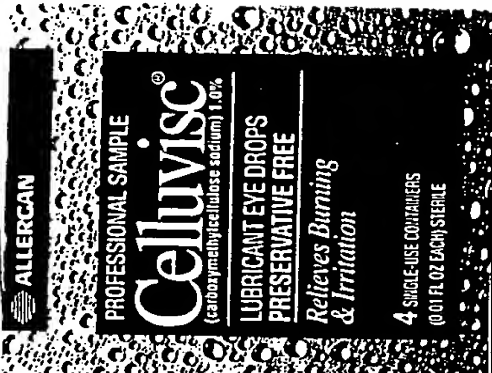
FIL19


1900

ALBERTSON	HEB	RANDALL'S	KROGER	SAFEWAY	WALMART
					
Master List Edit Print	1902				
Add to Grocery list	1909				
Save on Grocery List	1609				
Next					
Back					
Previous New Product Page					


49000 21101


49000 21101


70989 10150 0








72440 10400 6

006T50" 54854560

2003

F1620

1502

	ALBERTSON	HEB	RANDALLS	KROGER	SAFEWAY	WALMART
1504						
	POST	CEISCO	COKE	CAMPBELL'S	VAN DE CAMP	
290	Delete from Shopping List					
1608	Add					
1316	New Product					
1508	Edit					
1604	Back					
1609	Save					
150	Print					
202	Next					
	Current Shopping List (Hierarchy) (Produce Page)					

2002

2008

2004

at HEB

Push HEB ms 54 per month room discount

18000 81301

Apples

Avocados

Bananas

Beans

Beets

Broccoli

Cabbage

Carrots

Cauliflower

Celery

Cherries

Corn

Cucumber

Garlic

Grapefruit

Grapes

Lemons

Lettuce

Limes

Melons

Mushrooms

Onions

Oranges

Peaches

Pears

Peas

Peppers

Potatoes

Strawberries

Spinach

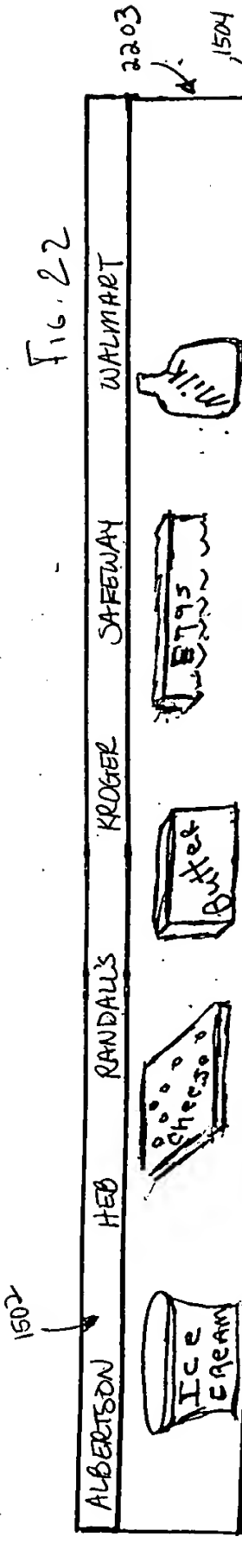
Sprouts




Tomatoes

Watermelon

FIG. 21

132	ALBERTSON	HEB	RANDALLS	KROGER	SAFEWAY	WALMART	2103
134	Post cereal	JIFF	Pork Bean	COFFEE	CRISCO	Chips	Soda
210	Post	JIFF	CRISCO	COKE			
108	Delete from shopping list	<div> <div> <p>26000 00511 10 oz.</p> </div> <div> <p>18100 44835</p> </div> </div>					
106	Add	<div> <div> <input type="checkbox"/> Beans <input type="checkbox"/> Beer/Wine <input type="checkbox"/> Chips (onion, corn) <input type="checkbox"/> Coffee <input type="checkbox"/> Cookies/Crackers <input type="checkbox"/> Dried Fruit (raisins etc.) <input type="checkbox"/> Flour <input type="checkbox"/> Granola/Cereal <input type="checkbox"/> Honey <input type="checkbox"/> Jam/Jelly <input type="checkbox"/> Juice <input type="checkbox"/> Maple Syrup <input type="checkbox"/> Mayonnaise <input type="checkbox"/> Mustard <input type="checkbox"/> Nuts/Seeds <input type="checkbox"/> Oil <input type="checkbox"/> Pasta <input checked="" type="checkbox"/> Peanut Butter <input type="checkbox"/> Pet food/supplies <input type="checkbox"/> Rice (wild, brown, white) <input type="checkbox"/> Salad Dressing <input type="checkbox"/> Salt/seasonings <input type="checkbox"/> Sauce (hot, tomato) <input checked="" type="checkbox"/> Soda <input type="checkbox"/> Soup <input type="checkbox"/> Tea <input type="checkbox"/> Tofu <input type="checkbox"/> Tortillas <input type="checkbox"/> Water </div> <div>2102</div> </div>					
104	New Product						
102	Edit						
100	Back						
98	Save						
96	Print						
202	Next	<div> <div>Current Generic Shopping List Category (Packaged Goods)</div> <div>Page</div> </div>					



DREYERS		FLEISCHMANN'S	
1002 Delete from Shopping List	<input type="checkbox"/> Butter <input type="checkbox"/> Margarine <input type="checkbox"/> Cottage Cheese <input type="checkbox"/> Eggs <input type="checkbox"/> Ice Cream <input type="checkbox"/> Milk <input type="checkbox"/> Yogurt/Kefir	 <p>1 lb.</p>	 <p>26000 00511</p>
1102 Add	<input type="checkbox"/> Brie <input type="checkbox"/> Cheddar <input type="checkbox"/> Farmers <input type="checkbox"/> Feta <input type="checkbox"/> Gouda <input type="checkbox"/> Havarti <input type="checkbox"/> Muenster <input type="checkbox"/> Monterey Jack <input type="checkbox"/> Mozzarella <input type="checkbox"/> Parmesan <input type="checkbox"/> Provolone <input type="checkbox"/> Ricotta <input type="checkbox"/> Swiss	 <p>1 lb.</p>	
1202 New Product			
1302 Edit			
1402 Back			
1502 Save			
1602 Print			
1702 Next	Current Shopping List Category (e.g. dairy products) page		

1502

File 23

2303


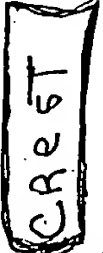












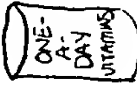
ALBERTSON	HEB	RANDALL'S	KROGER	SAFEWAY	WALMART
					
Crest	Dial	TGEL	BAN		
2010 Delete from Shopping List	1508 Add	1816 New Product	1508 Edit	1604 Back	1609 Save
			1510 Print		
2002 Next Current Generic Shopping List Category (e.g. Toiletries) Page			2302		
<div>Deodorant Lotion Shampoo Conditioner Soap Toothpaste mouthwash fragrances</div>			 1810044835		
					

FIG 24 2403

1502

AUBERTSON		HEB	RAIDALLS	KROGER	SAFEWAY	WALMART
						
ROLLAIDS		ONE-A-DAY		B-G SQUID		
1502	Delete from shopping List	<div>2402</div> <div> 0989-10150-0 01 ></div> <div></div>				
1603	Add					
1816	Edit					
1508	New Product					
1604	Back					
1609	Save					
1512	Print					
202	Next					
Current Generic Shopping List Category (e.g., Supplements) Page						

525

SAFETY

KRONGER

RANDALLS

443

ALBERTSON



PAPER
To 30



CHARMIN

CLOREX

Time

General Electric

2019 Delete from Shopping

16087 Add

Tip
-9/81

1508	New Product
------	-------------

Back

169 Save

Print

2002 - Next
Current General
Shopping list
Category
(e.g., Household
Goods) page

49000-21101



CLOROX
ULTRA
16 oz

4 97
Charmin
18000 81301

F1627

PRODUCE

- (5) APPLE
- (1) CABBAGE
- (10) LIME
- (1) LETTUCE
- (10) POTATO LBS.
- (5) TOMATO

PACKAGED GOODS

- (2) GREEN BEANS
- (2) ASPARIGAS
- (1) COOKING OIL
- (5) SOUP
- (1) SALT
- (1) PEPPER
- (4) PORK AND BEAN
- (2) PASTA
- (1) PEANUT BUTTER

PAPER GOODS

- (4) PAPER TOWLS
- TISSUE
- (1) FACIAL
- (2) TOILET

DAIRY PRODUCTS

- (1) MILK
- (2) EGGS
- (2) BUTTER
- CHEESE
- (1) CHEDDER
- (1) AMERICAN

MEAT

- (8) STEAK
- (2) BACON
- (2) CHICKAN

DRINKS

- (2) SODA
- (1) WINE
- (1) BEER

HOUSEHOLD GOODS

- (1) WRAP (POLY)
- (1) BLEACH



25 FT



16 oz



24 oz



4 PK



1 lbs.



16 oz



10 oz

006150 54852560

09575645.051900

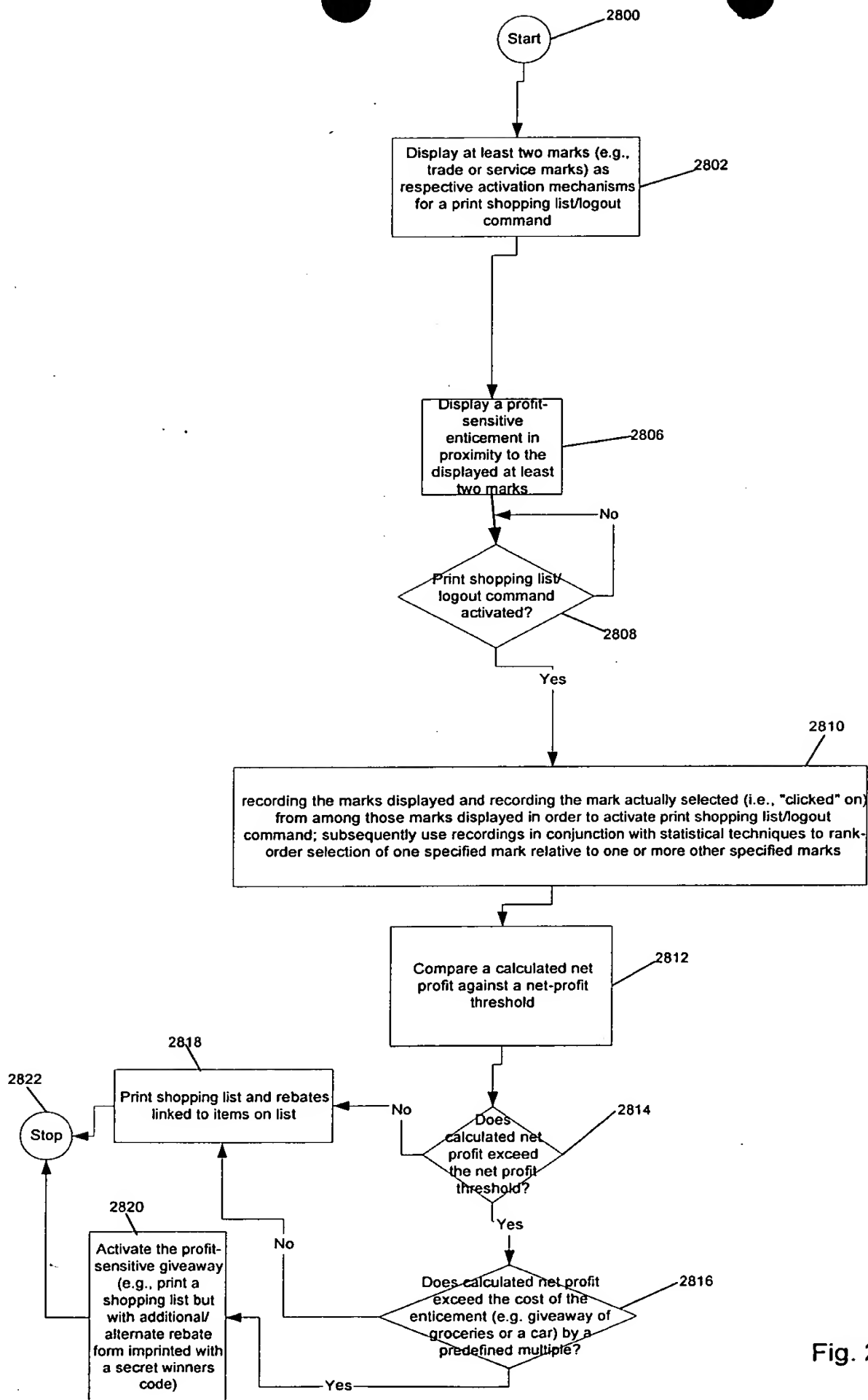


Fig. 28

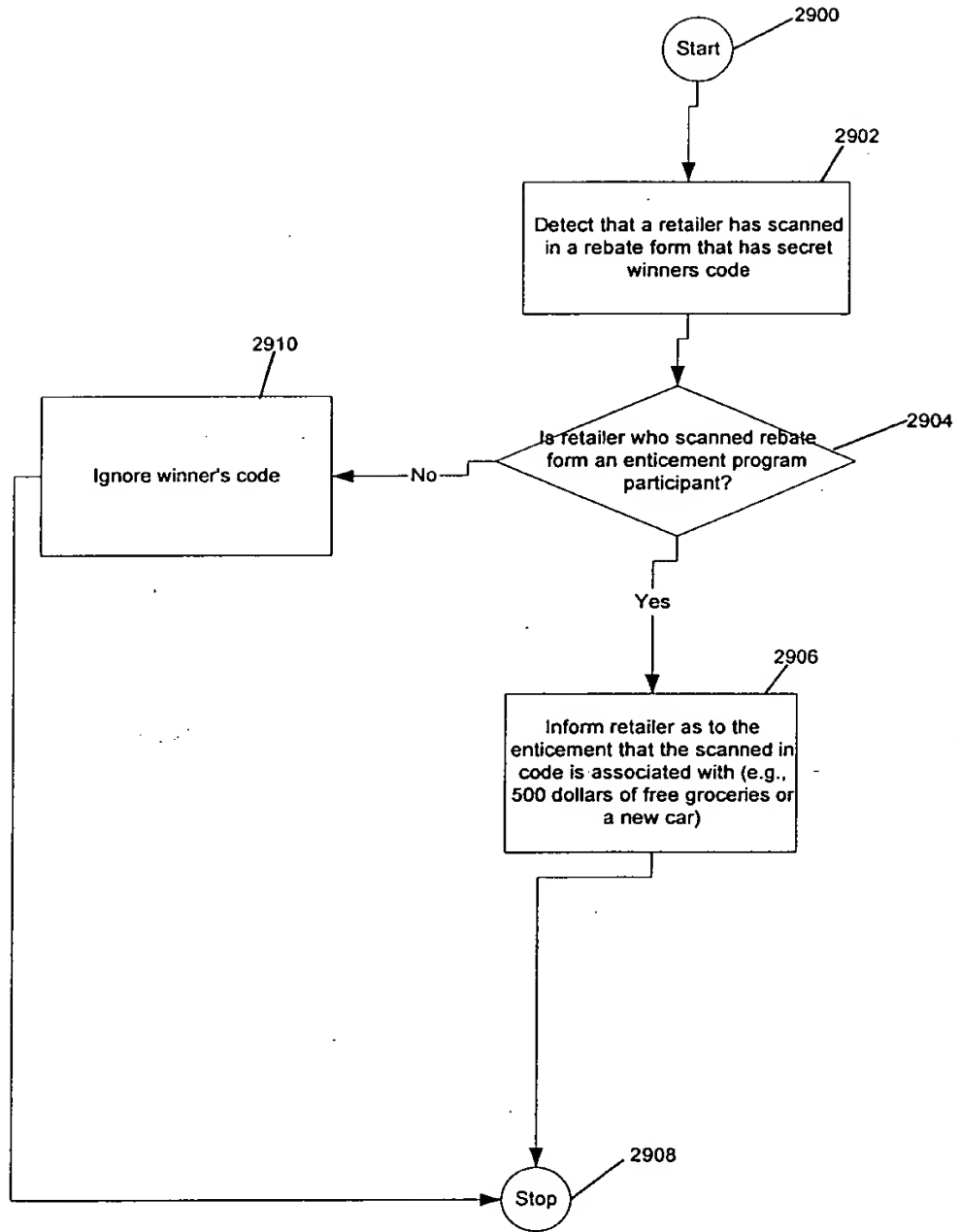


Fig. 29

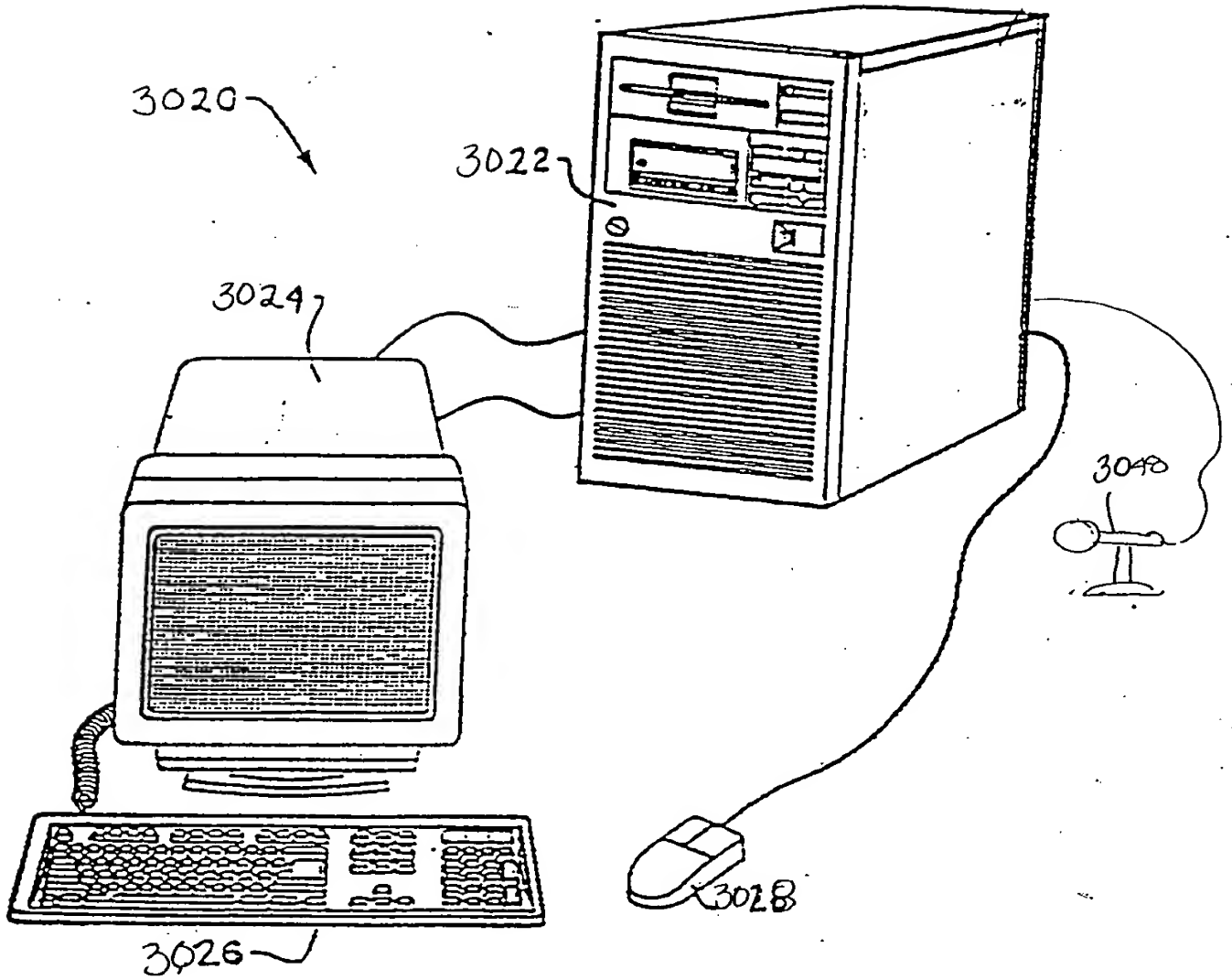


FIG 30










HEB		Randalls		Kroger		SAFEWAY		WAL-MART	
        		<p>Next</p> <p>Alpha</p> <p>Categories</p> <p>Back</p>							
<p>List Alpha Those who Do business with us</p> <p><input type="checkbox"/> Betty Crocker</p> <p><input type="checkbox"/> Cambells</p> <p><input type="checkbox"/> Del monte</p> <p><input type="checkbox"/> Duncan Hines</p> <p><input type="checkbox"/> General Mills</p> <p><input type="checkbox"/> Hunt's</p> <p><input type="checkbox"/> International Home Foods</p> <p><input type="checkbox"/> Kellore ?</p> <p><input type="checkbox"/> Nabisco</p> <p><input type="checkbox"/> Post</p> <p><input type="checkbox"/> Proctor and Gamble</p>		<p>By Category New Products</p> <p><input type="checkbox"/> Cereal</p> <p><input type="checkbox"/> Canned Vegetables</p> <p><input type="checkbox"/> Paper Good</p> <p><input type="checkbox"/> Soft Drinks</p> <p><input type="checkbox"/> Baking Goods</p> <p><input type="checkbox"/> Personal Care</p>						<p>3102</p> <p>3104</p>	

FIG. 31













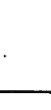


HEB		Randalls	Kroger	SAFEWAY	WAL-MART
					
					
					
NEXT	List ALPHA Those who Do business with us				
ALPHA	OR				
CATAGORY	By CATAGORY, New Products				
BACK	<input type="checkbox"/> Betty Crocker <input type="checkbox"/> Cambells <input type="checkbox"/> Del monte <input type="checkbox"/> Duncan Hines <input type="checkbox"/> Generex mills <input type="checkbox"/> Hunt's <input type="checkbox"/> International Home Foods <input type="checkbox"/> Kellore ? <input type="checkbox"/> Nabisco <input type="checkbox"/> Post <input type="checkbox"/> Proctor and Gamble				
	New Products!				
	New Products!				

FIG. 32

3202

3204